

### Abstract of the Disclosure

A hybrid fuel cell system having a fuel cell and a heat engine having an expansion cycle and a compressor cycle and which is further adapted to include a bypass assembly for segmenting expanded oxidant supply gas from the expansion cycle of the heat engine into a first expanded oxidant supply gas portion and a second expanded gas portion and in which the first expanded oxidant supply gas portion is used for the fuel cell and the second expanded gas portion is bypassed around the fuel cell.